

*Blues* and *purples* may be either of the second or third order, but the best are of the third. Thus the Colour of violets seems to be of that order, because their Syrup by acid Liquors turns red, and by urinous and alcalizale turns green. For since it is of the nature of Acids to dissolve or attenuate, and of Alcalies to precipitate or incrassate, if the purple Colour of the Syrup was of the second order, an acid Liquor by attenuating its ting-ing corpuscles would change it to a red of the first order, and an Alcaly by incrassating them would change it to a green of the second order; which red and green, especially the green, seem too imperfect to be the Colours produced by these changes. But if the said purple be supposed of the third order, its change to red of the second, and green of the third, may without any inconvenience be allowed.

If there be found any Body of a deeper and less reddish purple than that of the violets, its Colour most probably is of the second order. But yet their being no Body commonly known whose Colour is constantly more deep than theirs, I have made use of their name to denote the deepest and least reddish purples, such as manifestly transcend their Colour in purity.

The *blue* of the first order, though very faint and little, may possibly be the Colour of some substances; and particularly the azure Colour of the Skys seems to be of this order. For all vapours when they begin to condense and coalesce into small parcels, become first of that bigness whereby such an Azure must be reflected before they can constitute Clouds of other Colours. And so this being the first Colour which vapors begin to reflect, it ought to be the Colour of the finest and most trans-

transparent Skys in grossness requisite to is by experience.

*Whiteness*, if most first order, if less Colours of several whiteness of Froth. stances; of the first be. For whilst the is transparent, and dissolved in menstr white metals arise being less dense than it, did not som fity to make them such a bigness of the white of the thickneses they manifest by the Colours pering it, and some metals in the Skin their cooling. And the strongest which substances, so it out stances of metals t Glafs. Nor do I see a thickness as may first order, may, by ding to the tenour of flect all the Light opake and splendent Gold, or Copper mi